ELSEVIER

Powder Technology 108 (2000) 212

POWDER TECHNOLOGY

www.elsevier.com/locate/powtec

Author Index of Volume 108

Adetayo, A.A., 192, 202

Bazin, C., 155, 173
Beck, M.S., 180
Berruti, F., 21
Bosgra, O.H., 137
Boxman, A., 90
Bridgwater, J., 65
Bürger, R., 74

Cameron, I.T., 122

De Lasa, H., 6
Desbiens, A., 103
Dijkstra, J.W., 185
Dyakowski, T., 180

Eek, R.A., 137
Ennis, B.J., 192, 202

Ferreira, M.C., 46
Flament, F., 173
Freire, J.T., 46

Gagnon, É., 103
Gagnon, E., 173
Ghosh, D., 130
Girard, B., 155
Gommeren, H.J.C., 147
Gupta, S.K., 21
Gutiérrez, J.A., 180

Heitzmann, D.A., 147
Hildred, K.L., 164
Hodouin, D., 103, 155, 173
Horio, M., 55
Hurley, J.P., 95
Hutson, G.V., 164

Jochen, C.E., 90

Kaneko, Y., 55
Kang, K.Y., 130
Kramer, H.J.M., 185
Krol, S., 6

Li, Y.Y., 65
Litster, J.D., 122

Mackaplow, M.B., 32
Massarani, G., 46
Michaels, J.N., 32
Mishra, B.K., 116
Moolenaar, J.A.C., 147

Ogunnaike, B.A., 192
O'Keefe, C.A., 95

Pekediz, A., 6
Pomerleau, A., 103
Pottmann, M., 192

Rajamani, R.K., 116
Roemer, J.G., 130
Rosen, L.A., 32

Scarlett, B., 147
Schaflinger, U., 1
Shiojima, T., 55
Songfack, P., 116

Tory, E.M., 74
Townson, P.S., 164

Van Rosmalen, G.M., 185
Verheijen, P.J.T., 185

Wang, F.Y., 122
Watne, T.M., 95
Weingerl, U., 1
Williams, R.A., 164, 180

Yang, Z., 160

Zhang, J., 122

Elsevier Science S.A.
PII: S0032-5910(00)00213-8

ELSEVIER

Powder Technology 108 (2000) 213–215

POWDER TECHNOLOGY

www.elsevier.com/locate/powtec

Subject Index of Volume 108

Agglomeration
Effect of primary particle size on granule growth and endpoint determination in high-shear wet granulation, 32
Artificial neural network
Prediction of extrusion pressure using an artificial neural network, 65
Ash
Development of advanced scanning electron microscopy techniques for characterization of submicron ash, 95

Baghouse filter bags
The effects on baghouse filter bags during the incineration of high-fluoride wastes, 160
Batch sedimentation
On upper rarefaction waves in batch settling, 74

Cemented carbide
Microstructural characterization of cemented carbide samples by image analysis techniques, 130
Characterisation
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Circularity index
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Circulating fluidized bed
Evaluation of the gas–solid suspension density in CFB risers with exit effects, 21
Coalescence
A new approach to modeling granulation processes for simulation and control purposes, 202
Coalescence kernel
A new approach to modeling granulation processes for simulation and control purposes, 202
Compartmental approach
Modeling of industrial crystallizers for control and design purposes, 185
Computational fluid dynamics
Modelling and control of a jet mill plant, 147
Modeling of industrial crystallizers for control and design purposes, 185
Contaminates
On-line particulate detection in molten polymer streams, 90
Control
Modelling and control of a jet mill plant, 147
Modeling of industrial crystallizers for control and design purposes, 185
Controllability assessment
Controllability of particulate processes in relation to the sensor characteristics, 137
Control loop
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Crossflow filtration
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Crystallization
Controllability of particulate processes in relation to the sensor characteristics, 137
Cut-off size
A new approach to modeling granulation processes for simulation and control purposes, 202

Design
Modeling of industrial crystallizers for control and design purposes, 185
Discrete element method
Numerical analysis of particle mixing characteristics in a single helical ribbon agitator using DEM simulation, 55
Discrete Element Method
Impact energy spectra of tumbling mills, 116
Distributed adaptive predictive control
A survey of grinding circuit control methods: from decentralized PID controllers to multivariable predictive controllers, 103
Distributed PID
A survey of grinding circuit control methods: from decentralized PID controllers to multivariable predictive controllers, 103
Down flow reactors
Particle clustering in down flow reactors, 6
Dynamic simulation
Evaluation of control strategies for fertiliser granulation circuits using dynamic simulation, 122

Electric furnace
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Experimental
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Extrusion pressure
Prediction of extrusion pressure using an artificial neural network, 65

Feedback
Feedforward–feedback predictive control of a simulated flotation bank, 173
Feedforward
Feedforward–feedback predictive control of a simulated flotation bank, 173
Fertiliser
Evaluation of control strategies for fertiliser granulation circuits using dynamic simulation, 122
Fine powders
Impact energy spectra of tumbling mills, 116

Elsevier Science S.A.
PII: S0032-5910(00)00214-X

Flocculation
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Fluid dynamic modeling
Homogeneous hydraulic and pneumatic conveying of solid particles, 46
Flux plot
On upper rarefaction waves in batch settling, 74
Forced circulation crystallizers
Modeling of industrial crystallizers for control and design purposes, 185

Gas–solid suspension
Evaluation of the gas–solid suspension density in CFB risers with exit effects, 21
Gels
On-line particulate detection in molten polymer streams, 90
Granular flow
Feeding of granular material on conveyer bands or chutes, 1
Granulation
Effect of primary particle size on granule growth and endpoint determination in high-shear wet granulation, 32
Evaluation of control strategies for fertiliser granulation circuits using dynamic simulation, 122
Granulation mechanisms
A new approach to modeling granulation processes for simulation and control purposes, 202
Granulation regimes
A new approach to modeling granulation processes for simulation and control purposes, 202
Granulation system
Model-based control of a granulation system, 192
Granules
Model-based control of a granulation system, 192
Grinding circuit
A survey of grinding circuit control methods: from decentralized PID controllers to multivariable predictive controllers, 103

Helical ribbon agitator
Numerical analysis of particle mixing characteristics in a single helical ribbon agitator using DEM simulation, 55
High-fluoride wastes
The effects on baghouse filter bags during the incineration of high-fluoride wastes, 160
Hydraulic conveying
Homogeneous hydraulic and pneumatic conveying of solid particles, 46
Hydrocyclone
Using electrical impedance tomography for controlling hydrocyclone underflow discharge, 180
Hyperbolic conservation law
On upper rarefaction waves in batch settling, 74

Ideal suspension
On upper rarefaction waves in batch settling, 74
Ilmenite
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Image analysis
Microstructural characterization of cemented carbide samples by image analysis techniques, 130
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Impact energy spectra
Impact energy spectra of tumbling mills, 116
Impedance
Using electrical impedance tomography for controlling hydrocyclone underflow discharge, 180
Incineration
The effects on baghouse filter bags during the incineration of high-fluoride wastes, 160
Industrial crystallization
Modeling of industrial crystallizers for control and design purposes, 185
In-line particle size measurement
Modelling and control of a jet mill plant, 147
Internal model control
A survey of grinding circuit control methods: from decentralized PID controllers to multivariable predictive controllers, 103

Jetmilling
Modelling and control of a jet mill plant, 147

Mechanical properties
Microstructural characterization of cemented carbide samples by image analysis techniques, 130
Microscopic properties
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164
Mixers
Effect of primary particle size on granule growth and endpoint determination in high-shear wet granulation, 32
Model
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Model-based control
Model-based control of a granulation system, 192
Modelling
Modeling of industrial crystallizers for control and design purposes, 185
A new approach to modeling granulation processes for simulation and control purposes, 202
Modelling, simulation
Modelling and control of a jet mill plant, 147
Molten polymer streams
On-line particulate detection in molten polymer streams, 90
Multivariable predictive control
A survey of grinding circuit control methods: from decentralized PID controllers to multivariable predictive controllers, 103

Neutralisation
Characterisation of particulates in the BNFL Enhanced Actinide Removal Plant, 164

Operator
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Optical sensors
Particle clustering in down flow reactors, 6

Particle clustering
Particle clustering in down flow reactors, 6
Particle mixing
Numerical analysis of particle mixing characteristics in a single helical ribbon agitator using DEM simulation, 55
Particles
On-line particulate detection in molten polymer streams, 90
Particle size
Effect of primary particle size on granule growth and endpoint determination in high-shear wet granulation, 32

Paste extrusion
Prediction of extrusion pressure using an artificial neural network, 65
Pneumatic conveying
Homogeneous hydraulic and pneumatic conveying of solid particles, 46
Population balance equation
A new approach to modeling granulation processes for simulation and control purposes, 202
Power curves
Effect of primary particle size on granule growth and endpoint determination in high-shear wet granulation, 32
Predictive controller
Feedforward–feedback predictive control of a simulated flotation bank, 173
Pressure gradients
Homogeneous hydraulic and pneumatic conveying of solid particles, 46
Principal component analysis
Controllability of particulate processes in relation to the sensor characteristics, 137
Process control
Controllability of particulate processes in relation to the sensor characteristics, 137
PSD control
Controllability of particulate processes in relation to the sensor characteristics, 137

Rarefaction wave
On upper rarefaction waves in batch settling, 74

Scanning electron microscopy
Development of advanced scanning electron microscopy techniques for characterization of submicron ash, 95
Simulated flotation bank
Feedforward–feedback predictive control of a simulated flotation bank, 173
Simulation
Modeling of industrial crystallizers for control and design purposes, 185
Slip factor
Evaluation of the gas–solid suspension density in CFB risers with exit effects, 21
SPEEDUP
Modeling of industrial crystallizers for control and design purposes, 185
Stokes number
A new approach to modeling granulation processes for simulation and control purposes, 202
Submicron particles
Development of advanced scanning electron microscopy techniques for characterization of submicron ash, 95

Time series
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Training
Time series analysis: a tool for operators training? Application to the direct reduction of ilmenite concentrate, 155
Tumbling mills
Impact energy spectra of tumbling mills, 116

Underflow
Using electrical impedance tomography for controlling hydrocyclone underflow discharge, 180